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SEQUENCE LISTING

<110> Cambridge Antibody Technology Limited

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Daramola, Olalekan

<120> Improvements relating to antibodies

<130> AHB/CP5775333

<140>

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<150> GB 9814383.7

<151> 1998-07-02

<160> 22

<170> PatentIn Ver. 2.1

<210> 1

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(351)

<400> 1

cag gtg cag ctg cag gag tcc ggc cca gga ctg gtg aag cct tcg gag 48

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu

1

5

10

15

43 /

acc ctg tcc ctc acc tgc gct gtc tct ggt tac tcc atc agc agt ggt 96
 Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Tyr Ser Ile Ser Ser Gly
 20 25 30

tac tac tgg ggc tgg att cgg cag ccc cca ggg aag ggg ctg gag tgg 144
 Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
 35 40 45

att ggg agt atc tat cat agt ggg agc acc tac tac aac ccg tcc ctc 192
 Ile Gly Ser Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu
 50 55 60

aag agt cga gtc acc ata tca gta gac acg tcc aag aac cag ttc tcc 240
 Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
 65 70 75 80

ctg aag ctg agc tct gtg acc gcc gca gac acg gcc gtg tat tac tgt 288
 Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

gca aga ggg aag tgg tcg aag ttt gac tat tgg ggc caa ggc acc ctg 336
 Ala Arg Gly Lys Trp Ser Lys Phe Asp Tyr Trp Gly Gln Gly Thr Leu
 100 105 110

gtc acc gtc tct tca 351
 Val Thr Val Ser Ser
 115

<210> 2

<211> 117

<212> PRT

<213> Homo sapiens

<400> 2

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15

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Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Tyr Ser Ile Ser Ser Gly
 20 25 30

Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
 35 40 45

Ile Gly Ser Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu
 50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
 65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Lys Trp Ser Lys Phe Asp Tyr Trp Gly Gln Gly Thr Leu
 100 105 110

Val Thr Val Ser Ser
 115

<210> 3

<211> 324

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)..(324)

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 Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 1 5 10 15

aca gtc agg atc aca tgc caa gga gac agc ctc aga agc tat tat gca 96
 Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
 20 25 30

45 A

agc tgg tac cag cag aag cca gga cag gcc cct gta ctt gtc atc tat 144
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 35 40 45

ggc aaa aac aac cgg ccc tca ggg att cca gac cga ttc tct ggc tcc 192
 Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

agc tca gga aac aca gct tcc ttg acc atc act ggg gct cag gcg gaa 240
 Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

gat gag gct gac tat tac tgt aac tcc cgg gac agc agt ggt aac cat 288
 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
 85 90 95

gtg gta ttc ggc gga ggg acc aag ctg acc gtc cta 324
 Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 4

<211> 108

<212> PRT

<213> Homo sapiens

<400> 4

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 1 5 10 15

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
 20 25 30

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 35 40 45

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

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| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Ser | Gly | Asn | Thr | Ala | Ser | Leu | Thr | Ile | Thr | Gly | Ala | Gln | Ala | Glu |
| 65 | | | | | | 70 | | | | | 75 | | | | 80 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Glu | Ala | Asp | Tyr | Tyr | Cys | Asn | Ser | Arg | Asp | Ser | Ser | Gly | Asn | His |
| | | | | | | 85 | | | | | 90 | | | | 95 |

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Val | Phe | Gly | Gly | Gly | Thr | Lys | Leu | Thr | Val | Leu |
| | | | 100 | | | | | 105 | | | |

<210> 5

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 5

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23

<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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21

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Primer

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agcggataac aatttcacac agg

23

<210> 8

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 8

ctcttctgag atgagttttt g

21

<210> 9

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 9

accgccagag ccacctccgc c

21

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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<400> 10

ggcggagggtg gctctggcgg t

21

<210> 11

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 11

ctaagcttac tgagcacaca ggacctcacc

30

<210> 12

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 12

aatatttcgaa ctacagttac tgagcacaca ggacc

35

<210> 13

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

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43

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<210> 14

<211> 56

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 15

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 15

tttggatatc tctccacagg tgtccactcc caggtgcagc tgcaggagtc cggccca 57

<210> 16

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

ctggggctgg attcggcagc cccca 25

50 9
<210> 17

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 17

tgggggctgc cgaatccagc cccag

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<210> 18

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 18

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<210> 19

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 19

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<210> 20

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 21

<211> 351

<212> DNA

<213> Homo sapiens

<400> 21

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gttcttggac gtgtctactg atatggtgac tcgactcttg agggacgggt tgtagtaggt 180
gctcccacta tgatagatac tcccaatcca ctccagcccc ttccctgggg gctgccgaat 240
ccagccccag tagtaaccac tgctgatgga gtaaccagag acagcgagcag tgagggacag 300
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<210> 22

<211> 324

<212> DNA

<213> Homo sapiens

<400> 22

taggacggtc agcttgggtc ctccgcggaa taccacatgg ttaccactgc tgtcccgga 60
gttacagtaa tagtcagcct catcttccgc ctgagcccca gtgatggtca aggaagctgt 120
gtttcctgag ctggagccag agaatcggtc tggaatccct gagggccggt tgtttttacc 180
atagatgaca agtacagggg cctgtcctgg cttctgctgg taccagcttg cataatagct 240
tctgaggctg tctccttggc atgtgatcct gactgtctgt cccaaggcca cagacacagc 300
agggtcctga gtcagctcag agga 324